

Del Norte County Juvenile Hall  
1115 Williams Drive  
Crescent City, CA 95531

*Notice of Proposed No Further Action* related to petroleum discharges.  
Comment Period ends October 5, 2002

**History:** The tank was a 550 gallon steel underground storage tank which had been used to store diesel to provide heating fuel for the Juvenile Hall Facility. The tank was located on the east side of the building. Evans Construction removed the tank and associated piping on November 18, 1998. The tank was in good condition with no obvious holes. No visible hydrocarbon contamination was found in the soil during tank removal activities. Groundwater was not encountered during tank removal/excavation activities. Two soil samples were taken at 6 feet below ground surface, one from the north and south ends of the tank. Soil analytical results are summarized in Table 1.

Table 1.

EPA Method	Analyte	Units	JH-1A(F)	JH-1B
8020	Benzene	ug/kg	<0.5	<0.5
8020	Toluene	ug/kg	<0.5	0.6
8020	Ethylbenzene	ug/kg	<0.5	<0.5
8020	Xylenes	ug/kg	1.0	<1.0
8020	MtBE	ug/kg	13	13
8015M	TPHD	mg/kg	<1.0	3.0

**Soil and Groundwater Sampling:** On March 5 and 6, 2002 SHN supervised the installation of 5 soil borings. Soil and groundwater samples were collected from these borings. Soil analytical results are summarized in Table 2. Groundwater sample results are summarized in Table 3.

Table 2. Soil Analytical Results, March 5 & 6, 2002 (in ug/g) DNC Juvenile Hall

Location/Depth (ft)	TPHD	Benzene	Toluene	Ethylbenzene	Xylenes	MtBE
B-1@4.5'	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.025
B-2@4.5'	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.025
B-3@4'	19	<0.0050	<0.0050	<0.0050	<0.010	<0.025
B-4@4.5'	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.025
B-5@4.5'	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.025

Table 3: Groundwater Analytical Results March 5& 6, 2002 (in ug/L)

Location	TPHD	Benzene	Toluene	Ethylbenzene	Xylenes	MtBE
B-1	68	<0.50	<0.50	<0.50	<0.50	<1.0
B-2	<50	<0.50	<0.50	<0.50	0.6	<1.0
B-3	550	<0.50	<0.50	<0.50	<0.50	<1.0
B-4	88	<0.50	<0.50	0.63	2.58	<1.0
B-5	51	<0.50	<0.50	<0.50	<0.50	<1.0

**Sensitive Receptor Survey:** A sensitive receptor survey was performed for a 1,000-foot radius, and a door-to-door survey was performed for a 300- foot radius from the former location of the UST. Three facilities are located within a 300- foot radius of the former UST location. The new Del Norte County Juvenile Hall, the Del Norte County Mental Health Facilities, and the Totem Apartment Complex. These facilities are all supplied by municipal water. One storm drain is present approximately 200 feet west of the site. No water supply wells are located within the

search radius. No surface waters or sensitive environmental habitats were observed within the search radius.

**Conclusions:**

- The source (UST and piping) has been removed.
- Low concentrations of petroleum hydrocarbons were detected in the soil sample from B-3 (at the base of the former UST). Petroleum hydrocarbons were not detected in any other soil samples collected.
- Low concentrations of petroleum hydrocarbons were detected in groundwater at the site from B-3 (within the former UST cavity).
- Extremely low concentrations (near the method detection limit of 50 micrograms per liter (ug/L) were detected in groundwater from borings B-4, B-5 and B-1. These borings are within forty feet of the former UST cavity.
- Benzene and MTBE were not detected in soil or groundwater during the March 2002 subsurface investigation.
- No impacts to sensitive receptors were identified.
- The extent of the low-level residual diesel contamination is confined to the tank pit.

Related documents and file information are available for review for thirty days from posting. Please contact Ron Allen (aller@rb1.swrcb.ca.gov) with any questions.

**Unless additional comments are received with significant new information, the Regional Water Board staff plans to concur with no further action upon close of the comment period.**